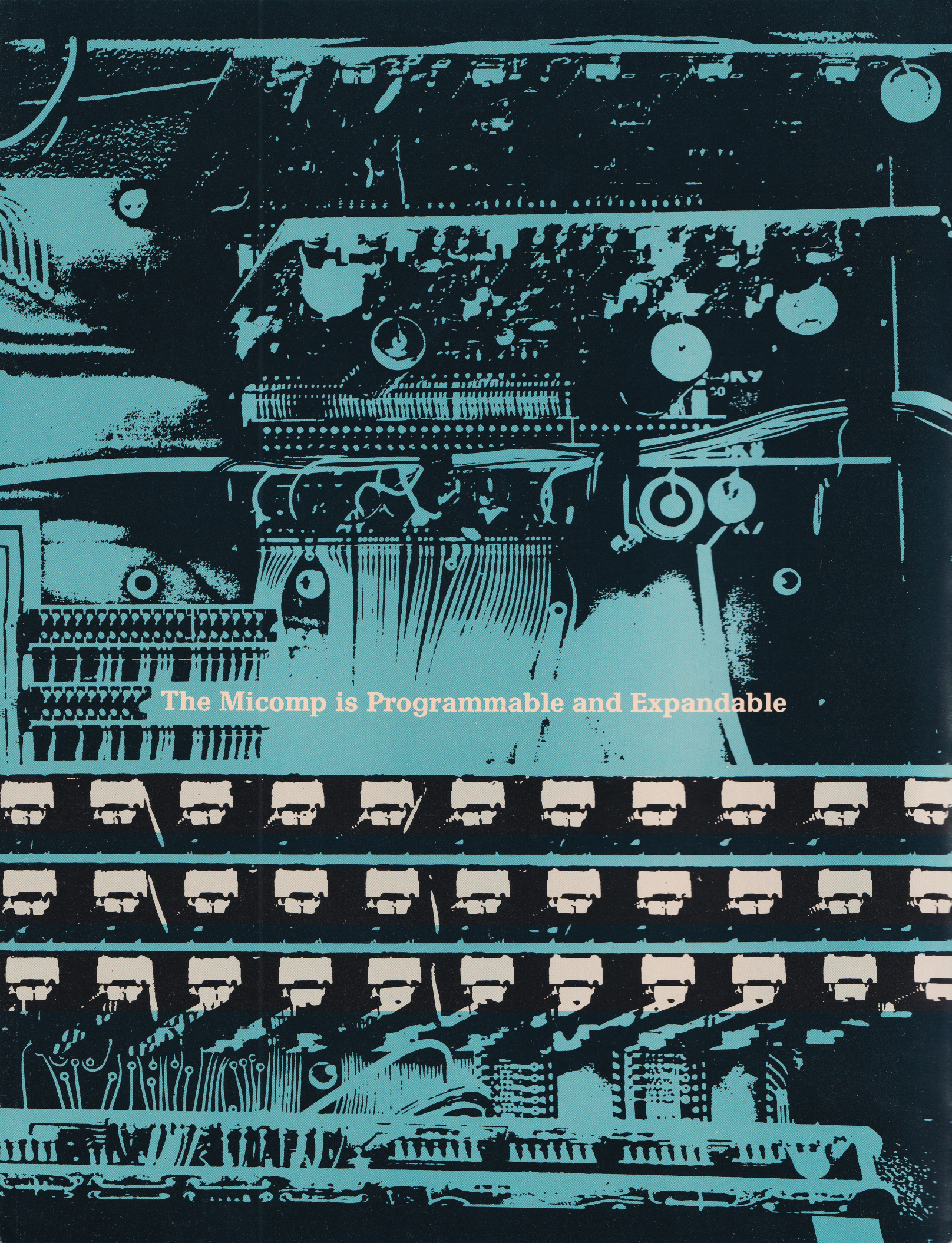
Mergenthaler
micomp
micomp
High Speed
Programmable
KEYBOARDS
An addition to the Total Systems Package


The Micomp is Programmable and Expandable

The Micomp Keyboard gets the most out of the V-I-P

The Micomp and the Mergenthaler V-I-P are made for each other; no other justifying keyboard encompasses Micomp's advanced features that give operators the ability to produce complex typographic routines with such ease, accuracy and speed. All of the capabilities inherent in the new V-I-P modular program are readily accessible.

Typography involving such operations as indenting, leadering and tabulating become simple procedures with the Micomp. Also, operators can make justified corrections of earlier copy with the confidence that the corrected line will "fit," even when special programmed character and word spacing has been specified.

The Micomp is programmable . . . that is, it has its own built-in computer memory and paper tape reader that permits it to be preconditioned by the application of program and width tapes corresponding to those used in the particular V-I-P for which the input is being prepared. To change the program, and thus expand its operation, a new tape is "run in;" no hardware changes are needed. Font width tapes—the same as provided with V-I-P fonts—are "read" into the keyboard; no special width cards or plugs need be purchased! Both program and width tapes are quickly processed via a motorized reader.

The keyboard layout has separate function groupings that assist the operator in learning and using particular key locations. Also, the alphanumeric key layout has been grouped in an exclusive six-bank array to minimize keystrokes and increase production.

More multicode keys are included in the Micomp than on any other counting keyboard. This feature alone cuts keystrokes drastically, thereby minimizing errors. This advantage is extended further by the utilization of a high capacity format storage capability that permits one-key insertion of repetitive text and/or command strings.

While Models VJ/6 and VJ/18 are justifying keyboards, they may also be used to produce unjustified tape, as the need arises, simply by switching off the counting function.

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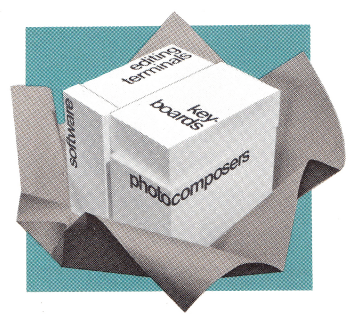

The Micomp is an important new component in Mergenthaler's total systems package

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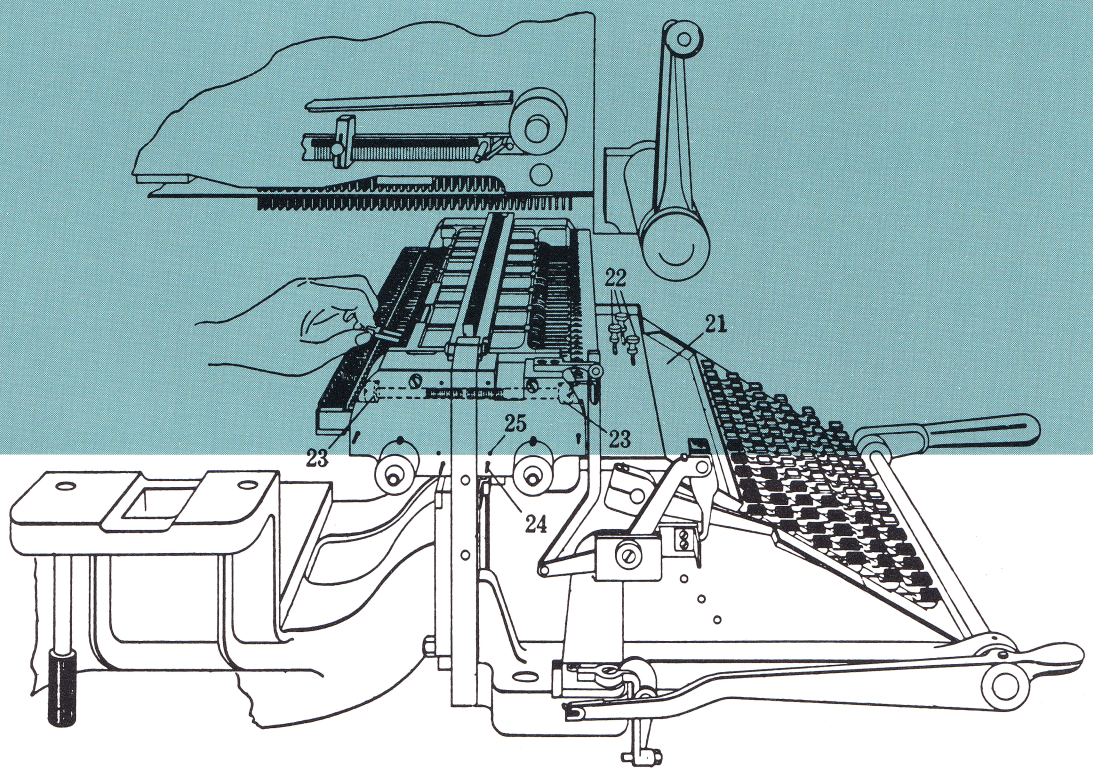
Mergenthaler micomp Keyboards

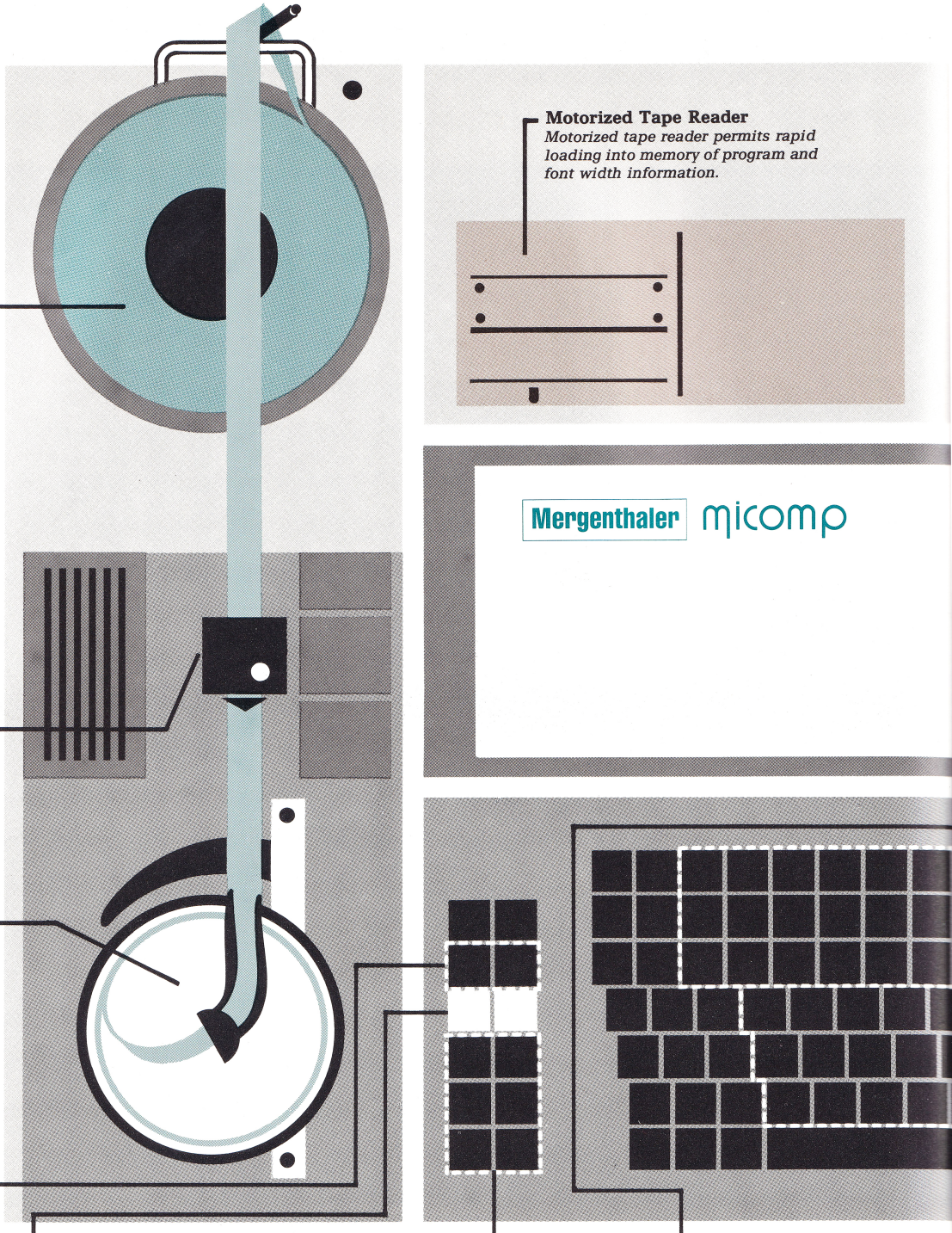
Models VJ/6 and VJ/18

The Mergenthaler Micomp Models VJ/6 and VJ/18 are high speed, fully programmable keyboards designed specifically to produce justified paper tape input for Mergenthaler V-I-P phototypesetters. The VJ/6 provides input to the 6-font V-I-P; the VJ/18 to the 12 and 18-font V-I-P's. This is truly an advanced keyboard: every feature of the Micomp is designed to promote maximum operator production and accuracy.

Mergenthaler has been manufacturing keyboards as a part of typesetting systems for over 87 years



MICOMP reduces keystrokes and errors with six rows of keys and Functional Groupings



Motorized Tape Reader
Motorized tape reader permits rapid loading into memory of program and font width information.

Tape Supply
A fast-load tape receptacle accommodates a 1000' roll of 7/8'' tape. Tape is inserted into the punchblock with simple side-entry procedure.

High Speed Punch
Built into the Micomp is a 40 cps, advance feed perforator. Buffered circuitry prevents loss of characters due to operator bursts of typing speed.

Tape Winder
A conveniently located optional tape winder automatically winds tape inside out—ready for use.

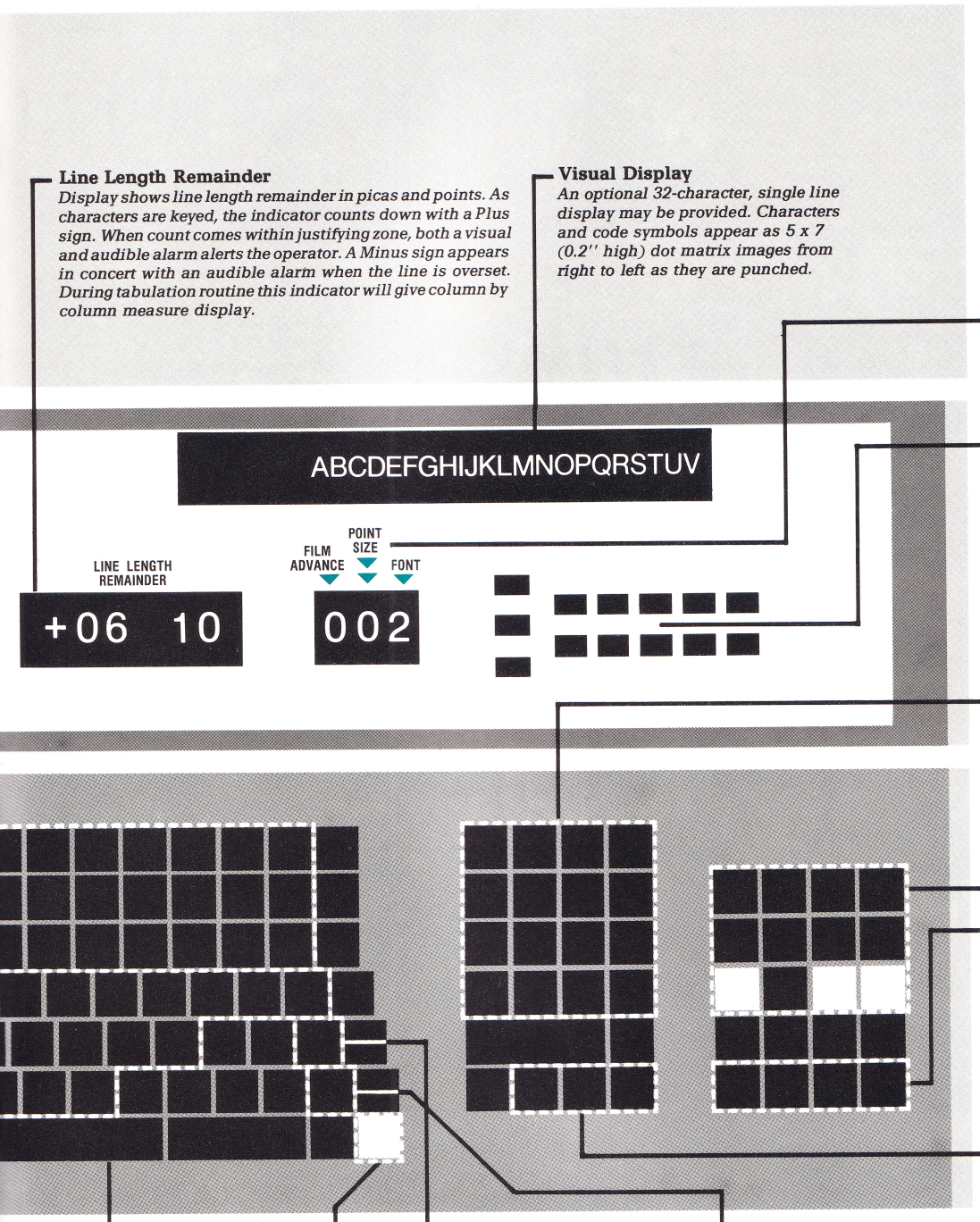
Point Size and Leading Display
Point Size and Film Advance are displayed in the central front panel indicator upon key depression.

Calculator Off and Punch Off
Self illuminating switches indicate operational mode. The calculator and resultant Line Length Remainder Display is turned off when the keyboard is used to perforate unjustified tape. The Punch Off switch disconnects the punch function, which is often used when operators perform trial settings.

Program Keys
These keys are associated with the loading of program and width tapes in the tape reader shown above.

Supershift, Shift, Unshift
The top three banks are Supershift, Shift and Unshift in descending order. All keys in the Supershift and Shift are single keystroke, multicode keys that do not require the keying of any precedence code. Whenever an alphanumeric key in the bottom four banks is depressed, it causes an automatic return to the Unshift mode.

Included in this attractive, compact unit are: sectionalized keybank with Secretarial Shift and direct access to Unshift, eye-level displays and indicators, program and width tape reader, high speed punch and convenient tape transport system. The Micomp has been designed and engineered in an attractive package that conforms to the latest office-business machine standards.



Line Length Remainder
Display shows line length remainder in picas and points. As characters are keyed, the indicator counts down with a Plus sign. When count comes within justifying zone, both a visual and audible alarm alerts the operator. A Minus sign appears in concert with an audible alarm when the line is overset. During tabulation routine this indicator will give column by column measure display.

Visual Display
An optional 32-character, single line display may be provided. Characters and code symbols appear as 5 x 7 (0.2" high) dot matrix images from right to left as they are punched.

Film Advance, Point Size, Font
The font in use is displayed unless either Film Advance or Point Size Keys are depressed.

Indicators
Visual indicators display operating conditions, including font drum, shift, rail, command sequences, tight line and justifying zone.

Command Keys
For selecting Drum and/or Font, Line measure, Point size and Film advance. Special circuitry safeguards against invalid command sequences by illuminating the "Fault" key.

Format Unit
Optional Format Unit Keys are associated with the loading and the single-keystroke calling out of each of 16 formats—text and/or command codes—of up to 32 codes each.

Tape Control Keys
These four keys control the special tape functions: Run Out, Back Space, Rub Out and Repeat.

Correction Keys
Micomp can delete or "kill" the last character, word or line. Depressing the Character Kill or Word Kill keys reverses the tape, deletes the required number of codes and makes necessary Line Length Display changes. Depressing the Line Kill key codifies "line deletion."

Alphanumeric/Function Keys
All function keys are positioned immediately outside the alpha-numeric keys for easy access.

Secretarial and Shift/Unshift
Both secretarial and conventional TTS shift/unshift keys are included for operator convenience.

Add Lead 1 Point
With each depression one point is added to previous leading command.

Fault
This key lights up and the keyboard is locked in the event of a two-key lock or when an invalid sequence is keyboarded. A single depression will unlock or reset the keyboard and in effect cancel the invalid codes.

Add Point
With each key depression in the shift mode, one unit of width is added to character spacing; in unshift mode, subtraction occurs. These changes are automatically included in Line Length Remainder Display.

A Few Advanced Micomp Features for Comparison

1. Complete Micomp/V-I-P program compatibility . . . keyboarding for new "modular" programs is fast, uncomplicated procedure.

2. New, updated, or expanded programs are quickly "run-in" via motorized tape reader.

3. Exclusive keybank layout . . . six-bank alphanumeric array, separate function groupings and multi-code keys . . . assure maximum operator speed and accuracy.

4. Special operating features . . . such as word/character/line deletion, column-by-column measure display for tabular routines, operator control of minimum and maximum character and word spacing.

5. Unique, one-unit package provides for internal integration of expansion options . . . such as self-scan visual display, format capability.

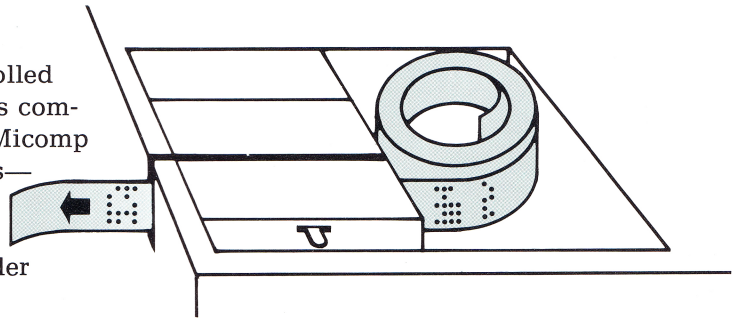
	What is being sold?	What is its essential value to the user?	If offered to dealers . . .
THE PRODUCT	Physical product, or service? Who makes (or provides) it? Does it stand alone, or is it one item in a line? Of established reputation, or being introduced? Distribution national, or sectional? Luxury, or necessity? Used by both sexes, or by one sex	Tangible, or intangible value? Bought by user mainly for its own sake, or as means to end? What are its principal sales points? Does it meet competition? In what respects may it be honestly said to be superior to competitive prod Does it have "hum	What is its value to the dealer? Unit or aggregate profit, quick turnover, prestige, exclusive sales right, suitability to his trade, etc? What are its demand-creating features? Where is demand coming from? How do we know? What are we doing to

Tabulation Routines . . . simple procedures

As the Micomp program follows the new V-I-P modular program exactly, input for tabulations are relatively simple procedures. Operators are aided by column by column measure indications during keyboarding in the Line Length Remainder Display (see preceeding page).

Program and Width Tape Loading

All Micomp functions are software controlled by a program inserted into the keyboard's computer memory by "reading in" a special Micomp program tape. Similarly, font width tapes—the same tapes as provided with V-I-P fonts—are inserted quickly and easily into a highly reliable motorized tape reader mounted on top of the keyboard.



A New Approach to Maintenance

Reliability and maintenance have been engineered into the Micomp. All mechanical components and circuitry have been designed with ratings well above their operational levels. Should a problem develop, two important provisions have been incorporated which will speed resumption of full operation. First, a set of diagnostic tapes are provided with each unit that will permit servicemen or customers familiar with basic circuitry to rapidly diagnose the problem, and thereby speed repair procedures. Secondly, the Micomp design incorporates quick-change or plug-in circuit boards to further enhance its serviceability.

Other Mergenthaler Keyboards

Models NJ/100 and NJ/100-3 Non-Justifying Keyboards

The Mergenthaler V-I-P Keyboard, Model NJ/100, is a high speed, 6-level perforator designed specifically to produce unjustified input for Mergenthaler V-I-P phototypesetters.

Two versions are available: the NJ/100, which is intended to produce input for V-I-P's having single drum, 6-font capacity; and the NJ/100-3, that accommodates the requirements of the 2-drum, 12-font and 3-drum, 18-font V-I-P's. Both utilize a 64 key, TTS-type keyboard layout and advanced features that minimize operator training and errors while assuring maximum rates of speed. Format and visual display options may be added to these keyboards to extend their flexibility.

Model NJ/200 Non-Justifying Keyboard

The Mergenthaler NJ/200 is a high speed, general purpose keyboard designed to produce 6-level, unjustified input for a wide variety of typesetting and computer composition systems.

The NJ/200 has a familiar TTS-type layout and advanced features that minimize operator training and errors while assuring maximum rates of speed.

The keyboard consists of two units: an attractive, easy-to-use keyboard and a new, compact, high speed punch. The combination may be functionally augmented with optional equipment, such as Format and Text Storage Unit and Visual Display.

CorRecTerm Editing Terminals

The Mergenthaler CorRecTerm is a video terminal for proofing, editing, correcting and marking-up of text in tape form prior to use in typesetting systems. It merges the human capabilities of an editor, proofreader or mark-up man with a device that processes, memorizes, displays and transmits typesetting data at electronic speeds.

Two series, including four models are available. The M/100 Series are basic low-cost models. The M/200 Series are low to medium priced models that offer superior performance, including such features as scrolling, format storage and "move."

Models M/100 and M/200 are compact, two-unit, stand-alone systems consisting of input/output 6-level reader/punch units and combination CRT display and input (TTS) keyboards. The M/101 and M/201 systems each have two input/output reader/punch units and modified CRT display/keyboard units for providing a highly efficient means of manually merging input tapes for producing directories, indices and classified newspaper sections.

M/100

M/200

Accessories & Options*

Character and Line Counters

A 5-digit character counter and/or a 3-digit line counter are optionally available as production aids. Both are positive counters and are reset by simple key depression.

*Options Not Illustrated

Visual Display of 32 characters and code symbols as they are punched.

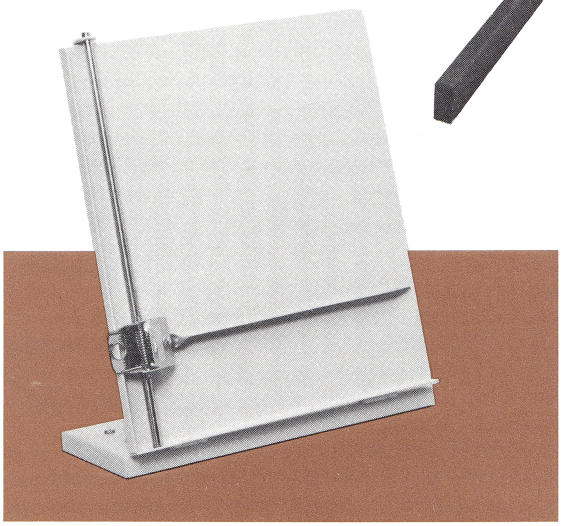
Format Unit Keys for single keystrokes to call out each of 16 formats including text and/or command codes of up to 32 codes each.

Keyboard Desk

A sturdy, attractive, office-type table is available for use with the Micomp. It is of wood/metal construction and is finished to complement the keyboard.

Tape Winder—Fixed (Option)

A Tape Matic winder is available for mounting immediately in front of the punch to facilitate output tape handling.



Copy Holder

A Copy Holder with magnetic base is furnished as standard. It may be positioned to suit the operator's convenience.

Specifications

Keys:	83 buffered, light touch, 3 oz., magnetic field switch keys.
Keytops:	Grey with white fill, except 6 white illuminating keys with black fill.
Perforator Speed:	40 cps, buffered for 140 cps bursts.
Perforator Backspacing:	Electronically from keyboard.
Paper Tape:	Output tape, 7/8'' (2.2 cm) non-perforated, 1000' (300 m) reel capacity. Program/width tapes furnished, 1'' (2.54 cm) width.
Tape Coding:	Standard, 6-level TTS with advance feed hole.
Color Scheme:	Basic cabinet, beige; key panel, olive brown; indicator panel, white.
Dimensions/Weights:	Basic Unit: 32 5/8'' W, 27'' D, 9'' H.; 70 lbs. net, 145 lbs. shppg. 81.6 cm W, 67.5 cm D, 22.5 cm H; 31.5 kg net: 62.3 kg shppg. Desk Unit: 48'' W, 32'' D, 27'' H; 85 lbs. net. 121.92 cm W, 81.28 cm D, 71.12 cm H; 36.29 kg net.
Power Requirements:	120 Vac, 60/50 Hz, 2A.

Note: *These specifications are subject to change as production and engineering improvements are put into effect.*

Colophon

Text and display are set in AURIGA, a new roman letterform based on a Gothic structure and logic design by MATTHEW CARTER. The large and simple forms normal to sanserifs bring a deliberate simplicity and spaciousness to the traditional roman. The figure-ground relationship of these large shapes and small block serifs provides visually interesting letterforms in display while uniting the wordshapes in text. Auriga's structural innovation supports sound legibility by simplifying detail. Auriga, available in roman, bold and italic, was drawn in 1972 and is truly a state-of-the-art typeface, another new typeface for Mergenthaler's photocomposition systems.

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7981 (2/74) Printed in U.S.A.